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Section A: accelerators, spectrometers, detectors and associated equipment

Editors: Kai Siegbahn & Erik Karlsson

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Anderson, D.F., The effects of photosensitive dopants on electron mobility in liquid argon A313 (1992) 151
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Andrews, W.D., F.E. Carroll, J.W. Waters, C.A. Brau, R.R. Price, D.R. Pickens, P.A. Tompkins and C.F. Roos, Development of the Vanderbilt Compton X-ray Facility A318 (1992) 189
Andronenko, L.N., M.N. Andronenko, A.A. Kotov, W. Neubert, L.A. Vaishnene, S.A. Pavlenko, D.M. Seliverstov, V.L. Stepanov and V.I. Yatsura, A twin axial ionization chamber for studies of multiple intermediate-mass-fragment production in 1 GeV proton–nucleus collisions A312 (1992) 467
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Angelini, F., R. Bellazzini, A. Brez, G. Decarolis, C. Magazzù, M.M. Massai, G. Spandre and M.R. Torquati, Results from the first use of microstrip gas chambers in a high-energy physics experiment A315 (1992) 21
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Lucherini, V. Muccifora, E. Polli, A.R. Reolon and P. Rossi, A BGO spectrometer for 200–1500 MeV photons . . . A317 (1992) 531
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Antoniazzi, L., G. Introzzi, A. Lanza, G. Liguori and P. Torre, The E771 RPC muon detector . . . A315 (1992) 92
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Apollinari, G., D. Scepanovic and S. White, Plastic optical fiber splicing by thermal fusion . . . A311 (1992) 520
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Aprile, E., D. Chen, M. Moulson, R. Mukherjee and M. Suzuki, Test of a two-dimensional liquid xenon TPC . A316 (1992) 29
Aprile, E., see Girard, T.A. . . . A316 (1992) 44
Apsimon, R., et al., Performance of a uranium/tetramethylpentane calorimeter backed by an iron/scintillator calorimeter, Nucl. Instr. and Meth. A305 (1991) 331–343 (*Erratum*) . . . A311 (1992) 395
Aratani, M., see Sugai, I. . . . A320 (1992) 15
Ardelean, J., A. Hrisoho, K. Truong and P. Seller, Noise evaluation and improvement of the LAL-RAL microplex read-out chip for the DELPHI μ-vertex detector . . . A315 (1992) 393
Arefiev, A., see Engler, J. . . . A320 (1992) 460
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Arima, T., Y. Asano, M. Miura, S. Mori and F. Takasaki, Characteristics of scintillating fiber electromagnetic calorimeters with wavelength-shifter readout . . . A314 (1992) 417
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Arnold, R., Y. Giomataris, J.L. Guyonnet, A. Racz, J. Séguinot and T. Ypsilantis, A fast-cathode pad-photon detector for Cherenkov ring imaging . . . A314 (1992) 465
Arqueros, F., see Bott-Bodenhausen, M. . . . A315 (1992) 236
Arrington, J., E.J. Beise, B.W. Filippone, T.G. O'Neill, W.R. Dodge, G.W. Dodson, K.A. Dow and J.D. Zumbro, A variable energy Møller polarimeter at the MIT-Bates Linear Accelerator Center . . . A311 (1992) 39
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Asakawa, M., K. Mima, S. Nakai, K. Imasaki and C. Yamanaka, Higher harmonic generation in a modified wiggler magnetic field . . . A318 (1992) 538
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Aseev, A.A., E.G. Devitsin, A.A. Komar, V.A. Kozlov, Yu.I. Hovsepyan, S.Yu. Potashov, K.A. Sokolovsky, T.V. Uvarova and V.G. Vasilchenko, $BaYb_2F_8$, a new radiation hard Cherenkov radiator for electromagnetic calorimeters A317 (1992) 143
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Aspell, P., R. Boulter, A. Czermak, P. Jalocha, P. Jarron, A. Kjensmo, W. Lange, E. Nygård, A. Rudge, O. Toker, M. Turala, H. Von Der Lippe, U. Walz, P. Weilhammer and K. Yoshioka, CMOS low noise monolithic frontends for Si strip detector readout A315 (1992) 425
Astakhov, V.I., A. Bischoff, S.V. Borodin, V.V. Golovatyuk, Yu.N. Gotra, A.B. Sadovsky, E.N. Tsyganov, G.V. Meshcheryakov, S.V. Kashigin, V.V. Morozov, Yu.S. Pakhmutov, V.V. Sanderov, V.V. Tsarev, E.S. Falkevich, K.N. Neymark and Yu.V. Trubitsin, Characteristics of an experimental batch of microstrip detectors A311 (1992) 296
Atac, M., J. Park, D. Cline, D. Chrisman, M. Petroff and E. Anderson, Scintillating fiber tracking for the SSC using visible light photon counters A314 (1992) 56
Atac, M., J. Park, D. Cline, D. Chrisman, M.D. Petroff, F. Bird, H. Fenker, K. Morgan, J. Thomas, B. Baumbaugh, M. Kelly, J. Warchol, R. Ruchti, B. Abbott, R. Davies and D. Koltick, Tracking with scintillating fibers and visible light photon counters A320 (1992) 155
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Aubert, B., A. Bazan, B. Beaugiraud, F. Cavanna, J. Colas, M. Lebeau, T. Leflour, J.C. LeMarec, M. Maire, P. Petitpas, J. Thion, J.P. Vialle, I. Wingerter-Seez, H.A. Gordon, V. Polychronakos, V. Radeka, D. Rahm, D. Stephani, L. Baisin, J.C. Berset, J.L. Chevalley, C.W. Fabjan, A. Franz, P. Farthouat, O. Gildemeister, P. Jenni, M. Lefebvre, C.P. Marin, M. Nessi, F. Nessi-Tedaldi, M. Pepe, G. Polesello, W. Richter, A. Sigrist, G.R. Stevenson, W.J. Willis, J.M. Baze, L. Gosset, P. Lavocat, B. Mansoulié, J.P. Meyer, J.F. Renardy, J. Teiger, H. Zaccone, G. Battistoni, D. Camin, D. Cavalli, G. Costa, A. Ferrari, F. Gianotti, L. Mandelli, M. Mazzanti, L. Perini, G. Pessina, E. Augé, R.L. Chase, J.C. Chollet, C. de la Taille, L. Fayard, D. Fournier, G. Guilhelm, A. Hrisoho, L. Iconomidou-Fayard, P. Jean, B. Merkel, J.M. Noppe, G. Parrour, P. Petroff, J.P. Repellin, A. Schaffer, N. Seguin, J.J. Veillet and C. Fuglesang, Liquid argon calorimetry with LHC-performance specifications A315 (1992) 285
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Auerhammer, J., H. Genz, H.-D. Gräf, H. Liu, A. Richter, F. Thomas, J. Töpper and H. Weise, Project review of the near-infrared free electron laser at the S-DALINAC A318 (1992) 184
Auerhammer, J., H. Genz, H.-D. Gräf, H. Liu, A. Richter, F. Thomas, J. Töpper and H. Weise, Stabilization system for the optical cavity of the Darmstadt free-electron laser A318 (1992) 865
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Azimi-Garakani, D., K. Langen, C. Wernli and P. Pihet, The response of various neutron dosemeters at high energy neutrons A320 (1992) 368
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Baltzer, P., K.G. Görsten and A. Bäcklin, A pulse-counting ionization chamber for measuring the radon concentration in air . . . A317 (1992) 357
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Bamford, D.J., M.H. Bakshi and D.A.G. Deacon, The search for rugged, efficient photocathode materials . . . A318 (1992) 377
Bamford, D.J. and D.A.G. Deacon, The "rectangle rule" and the self-modelocked oscillator/amplifier FEL configuration . . . A318 (1992) 546
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Bao, X.J., T.E. Schlesinger, R.B. James, S.J. Harvey, A.Y. Cheng, V. Gerrish and C. Ortale, Correlations between mercuric iodide photoluminescence spectra and nuclear detector performance . . . A317 (1992) 194
Barabash, A.S. and V.N. Stekhanov, Multisection liquid argon ionization chamber for double beta decay . . . A316 (1992) 51
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Barbarito, E., R. Bellotti, F. Cafagna, M. Calicchio, M. Castellano, G. De Cataldo, C. De Marzo, O. Erriquez, C. Favuzzi, P. Fusco, N. Giglietto, R. Liuzzi, B. Marangelli, M. Mongelli, M. Perchiazzi, A. Rainò, A. Sacchetti and P. Spinelli, A high rejection transition radiation detector prototype to distinguish positrons from protons in a cosmic ray space laboratory . . . A313 (1992) 295
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Barlow, D.B., R.H. Kraus Jr., C.T. Lobb, M.T. Menzel and P.L. Walstrom, Compact high-field superconducting quadrupole magnet with holmium poles . . . A313 (1992) 311
Barlow, R.J., see Allison, J. . . . A317 (1992) 47
Barnes, P. and N. Marks, The use of synchrotron radiation in industrial research . . . A314 (1992) 345
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Barnett, B., C. Boswell, J. Matthews, J.E. Skarha, F.D. Snider, A. Spies, J. Tseng, S. Vejcik, H. Carter, B. Flaugher, B. Gonzales, M. Hrycyk, C. Nelson, S. Segler, T. Shaw, P. Tipton, S. Tkaczyk, K. Turner, W.C. Carithers, R. Ely, M. Gold, C. Haber, S. Holland, S. Kleinfelder, T. Merrick, O. Schneider, W. Wester, M. Wong, D. Amidei, P.F. Derwent, N. Bacchetta, D. Bisello, G. Busetto, A. Castro, M. Loreti, L. Pescara, F. Bedeschi, V. Bolognesi, S. Dell'Agnello, S. Galeotti, M. Mariotti, A. Menzione, G. Punzi, F. Raffaelli, L. Ristori, F. Tartarelli, N. Turini, H. Wenzel, F. Zetti, M. Bailey, A.F. Garfinkel and N.M. Shaw, Progress in the construction of the CDF silicon vertex detector . . . A315 (1992) 125
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Bärs, B. and E. Häsänen, Experimental estimation of neutron fluxes from niobium impurities in the pressure vessel steel of nuclear power reactors . . . A317 (1992) 577
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Batchelor, K., see Ben-Zvi, I. . . . A318 (1992) 201
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Batchelor, K., I. Ben-Zvi, R.C. Fernow, J. Fischer, A.S. Fisher, J. Gallardo, G. Ingold, H.G. Kirk, K.P. Leung, R. Malone, I. Pogorelsky, T. Srinivasan-Rao, J. Rogers, T. Tsang, J. Sheehan, S. Ulc, M. Woodle, J. Xie, R.S. Zhang, L.Y. Lin, K.T. McDonald, D.P. Russell, C.M. Hung and X.J. Wang, Performance of the Brookhaven photocathode rf gun . . . A318 (1992) 372
Batignani, G., C. Bauer, H. Becker, J. Boudreau, D. Brown, F. Bosi, L. Bosisio, M. Carpinelli, J. Carr, P. Coyle, R. Dell'Orso, H. Dietl, J. Drinkard, E. Focardi, F. Forti, M. Giorgi, T. Hansl-Kozanecki, D. Hauff, P. Holl, E. Lancon, J. Lauber, A. Litke, G. Lutz, G. Lütjens, E. Mannelli, W. Männer, S. Menary, L. Moneta, H.-G. Moser, B. Mours, G. Parrini, S. Piccinini, G. Redlinger, D. Rizzi, G. Rizzo, D. Rousseau, G. Tonelli, G. Triggiani, A.S. Schwarz, P. Schwemling, R. Settles, H. Seywerd, L. Strüder, C. Vannini, P.G. Verdini, G. Waltermann, S. Walther, J. Wear and F. Weber, Experience with the ALEPH silicon vertex detector . . . A315 (1992) 121
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Bertino, M., C. Bini, D. De Pedis, G. De Zorzi, G. Diambrini Palazzi, G. Di Cosimo, A. Di Domenico, P. Gauzzi and D. Zanello, Space resolution obtained with a highly segmented SCIFI e.m. calorimeter A315 (1992) 327
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Courtois, A., J. Faure, R. Gobin, P.A. Leroy, B. Visentin and P. Zupranski, Lithium-6 polarized beam source at SATURNE A311 (1992) 10
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DEMON Collaboration, M. Moszynski, G. Bizard, G.J. Costa, D. Durand, Y. El Masri, G. Guillaume, F. Hanappe, B. Heusch, A. Huck, J. Peter, Ch. Ring and B. Tamain, Study of n–γ discrimination by digital charge comparison method for a large volume liquid scintillator . . . A317 (1992) 262
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Dlott, D.D., Infrared free-electron laser applications: Investigations of the dynamics of molecular systems . . . A318 (1992) 26
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Edwards, G.W.R., G.H. Coombes, W. Kellner, D.A. Hutcheon, C.A. Miller, R. Abegg and L.G. Greeniaus, An LH_2 target arrangement for low cross section measurements A311 (1992) 34
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Ekspong, G., (*Book review*: Z^0 physics, Cargèse 1990, eds. M. Lévy, J.-L. Basdevant, M. Jacob, D. Speiser, J. Weyers and R. Gastmans, NATO ASI series B, Physics Vol. 261 (Plenum, New York, 1991)) A314 (1992) 623
Ekström, L.P. and A. Nordlund, Gamma–gamma correlations with detector arrays A313 (1992) 421
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Engler, J., M. Gettert, H. Keim, J. Knapp, H.H. Mielke, A. Arefiev, Yu. Kamyshkov, A. Malinin, D. Onoprienko, A. Savin, K. Shmakov, E. Tarkovsky and I. Vorobiev, Calorimeter tests with liquid ionization chambers A320 (1992) 460
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Wightman, High speed simultaneous measurement of pulse area and time-of-flight for photomultiplier signals . . . A317 (1992) 161
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Haynes, D.L., C.M. Jones, R.C. Juras, M.J. Meigs, J.E. Raatz and J.B. Schroeder, A simple, inexpensive voltage grading resistor for large electrostatic accelerators (*Letter to the Editor*) . . . A320 (1992) 400
Hazumi, M., see Hasegawa, T. . . . A311 (1992) 498
Hazumi, M., T. Hasegawa, S. Kasai, K. Tokushuku and S. Yamada, Direct detection of particle tracks in a scintillator block with a lens system coupled to an image intensifier . . . A317 (1992) 515
Heath, G.P., see Cussans, D.G. . . . A315 (1992) 397
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Huang, Y.C., J. Schmerge, J. Harris, G.P. Gallerano, R.H. Pantell and J. Feinstein, Compact far-IR FEL design . . . A318 (1992) 765
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Hylen, J., J.A.J. Matthews, G. Bonvicini, J. Chapman, R. Frey, S.J. Hong, E. Gero, M. Petradza, R. Thun and H. Veltman, A luminosity monitor for the Mark II detector at the SLC . . . A317 (1992) 453
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Ichimura, K., E. Takamura and M. Sano, Hydrogenation of CsC_8 graphite intercalation compound by atomic hydrogen (*Letter to the Editor*) . . . A320 (1992) 604
Ickert, G., see LAND Collaboration . . . A314 (1992) 136
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Ikeda, H., M. Tanaka and S. Okuno, Detector capacitance of silicon microstrip detector . . . A313 (1992) 31
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Ikeda, H., M. Mori, T. Tanimori, K.-i. Kihara, Y. Suzuki and Y. Haren, Front-end hybrid circuit for super-KAMIOKANDE . . . A320 (1992) 310

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Imasaki, K., T. Keishi, A. Kobayashi, A. Koga, S. Sato, E. Nishimura, Y. Miyauchi, K. Saeki, I. Bessho, M. Okano, A. Nagai and T. Tomimasu, FEL project for industrial applications in Japan . . . A318 (1992) 235
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Ishii, T., S. Kitamura, K. Shiino, R. Hamatsu, T. Hasegawa, S. Kasai, K. Kono, K. Tauchi and S. Yamada, Automatic test of photomultiplier tubes for the ZEUS forward and rear calorimeters . . . A320 (1992) 449
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Karbushev, N.I., P.V. Mironov, V.D. Sazhin and A.D. Shatkus, Generation of microwave radiation by an intense microsecond electron beam in an axisymmetric wiggler A318 (1992) 117
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Rando, N., A. Peacock, A. van Dordrecht, C. Foden, R. Engelhardt, B.G. Taylor, P. Gare, J. Lumley and C. Pereira, The properties of niobium superconducting tunneling junctions as X-ray detectors . . . A313 (1992) 173
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Škoro, G.P., I.V. Aničin, A.H. Kukoč, Dj. Krmpotić, P. Adžić, R. Vukanović and M. Župančić, Environmental neutrons as seen by a germanium gamma-ray spectrometer . . . A316 (1992) 333
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Slaughter, J.M. and C.M. Falco, Advances in multilayer X-ray optics . . . A319 (1992) 163
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Slobodrian, R.J., Radiation emitted by the magnetic dipole of fast nonzero spin particles: method for direct neutron detection (*Letter to the Editor*) . . . A320 (1992) 398
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Steinert, I., G.D. Shirkov and G. Zschornack, A new approach to calculating ionization and charge dispersion in electron cyclotron resonance ion sources A314 (1992) 602
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Sugai, I., M. Oyaizu, T. Hattori, K. Kawasaki, T. Yano, H. Muto, Y. Takahashi, Y. Ishii, F. Hirata, M. Okamura, M. Aratani, M. Yanokura and K. Yamazaki, Development of heavy ion beam sputtering method for long-lived carbon stripper foils A320 (1992) 15
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Suzuki, S., T. Saito, K. Takahisa, C. Takakuwa, T. Tohei, T. Nakagawa, Y. Kobayashi and K. Abe, Neutron detection system for the (e, e'n) reaction A314 (1992) 547
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Tanaka, K.H., Y. Kawashima, J. Imazato, M. Takasaki, H. Tamura, M. Iwasaki, E. Takada, R.S. Hayano, M. Aoki, H. Outa and T. Yamazaki, New monochromatic muon beam channel using two body decay $K^+ \rightarrow \mu^+ \nu$ at rest in a production target A316 (1992) 134
Tanaka, M., H. Ikeda, M. Ikeda and S. Inaba, Performance of a monolithic time-to-amplitude converter for high precision TOF measurements A312 (1992) 585
Tanaka, M., see Ikeda, H. A313 (1992) 31
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Tang, C.-M., A.C. Ting and T. Swyden, Field-emission arrays – a potentially bright source A318 (1992) 353
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Tang Xiaowei, Yao Junen and Zhai Pengji, A nuclear detector with super-high spatial resolution (*Letter to the Editor*) A320 (1992) 396
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Working Group Brachytherapy, Belgian Hospital Physicist Association, B. Schaeken, F. Vanneste, A. Bouiller, M.T. Hoornaert, S. Vandenbroeck, J. Hermans and A. Piron, ^{192}Ir brachytherapy sources in Belgian hospitals A312 (1992) 251
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Slobodrian, R.J., Radiation emitted by the magnetic dipole of fast nonzero spin particles: method for direct neutron detection (*Letter to the Editor*) A320 (1992) 398
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Smith, D., D.H. Woods, S.A. Woods, J.L. Makepeace, R.A. Mercer and C.W.A. Downey, Standardisation of ^{125}Sb and ^{154}Eu, and measurement of absolute gamma-ray emission probabilities A312 (1992) 353
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Solé, V.A., Accurate measurement of $P_K\omega_K$ in the decay of ^{58}Co and the fluorescence yield of iron . . . A312 (1992) 303
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Spadafora, A.L., Test beam results from the D0 liquid argon end calorimeter electromagnetic module . . . A315 (1992) 279
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Spector, G.B., T. McCollum and A.R. Spowart, Advances in lithium-loaded glass scintillator fiber development . . . A313 (1992) 373
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Springer, R.W. and B.J. Cameron, Photocathode transfer and storage techniques using alkali vapor feedback control . . . A318 (1992) 396

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Srivastava, A. and R. Nema, Development of master CMOS test vehicle chip for space radiation effect studies using CAMD X-ray synchrotron radiation . . . A319 (1992) 350
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Stahle, C.K., D. Osheroff, R.L. Kelley, S.H. Moseley and A.E. Szymkowiak, Adapting calorimetric X-ray detectors for Compton scattering experiments performed at high energies . . . A319 (1992) 393
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Starič, M., D. Brajnik, V. Cindro, S. Korpar, P. Križan and A. Stanovnik, Investigation of timing properties of a thin multiwire proprtional chamber with CsI photocathode (*Letter to the Editor*) . . . A320 (1992) 600
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Steiner, M., K. Blasche, H.-G. Clerc, H. Eickhoff, B. Franczak, H. Geissel, G. Münzenberg, K.-H. Schmidt, H. Stelzer and K. Sümmerer, Preliminary measurements of SIS 18 beam parameters . . . A312 (1992) 420
Steinert, I., G.D. Shirkov and G. Zschornack, A new approach to calculating ionization and charge dispersion in electron cyclotron resonance ion sources . . . A314 (1992) 602
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Stuart, R.A. and G. Kong, A magnetic circuit model for electromagnet wigglers A318 (1992) 843
Sturgess, K.A. and W.B. Colson, An analytic description of longitudinal modes in free electron lasers A318 (1992) 576
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Sugai, I., M. Oyaizu, T. Hattori, K. Kawasaki, T. Yano, H. Muto, Y. Takahashi, Y. Ishii, F. Hirata, M. Okamura, M. Aratani, M. Yanokura and K. Yamazaki, Development of heavy ion beam sputtering method for long-lived carbon stripper foils A320 (1992) 15
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Suzuki, S., T. Saito, K. Takahisa, C. Takakuwa, T. Tohei, T. Nakagawa, Y. Kobayashi and K. Abe, Neutron detection system for the (e, e'n) reaction A314 (1992) 547
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Taiuti, M., see Bianchi, N. . . . A317 (1992) 434
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Takabe, M., Y. Miyauchi, H. Sakae, M. Ogoshi, T. Komatsu and S. Mandai, 0.9 MeV microwave electron gun system for an FEL . . . A318 (1992) 367
Takada, E., see Tanaka, K.H. . . . A316 (1992) 134
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Takayama, K., R. Govil and A.M. Sessler, Macroparticle theory of a standing wave free-electron laser two-beam accelerator . . . A320 (1992) 587
Takeda, H., see Arignon, M. . . . A313 (1992) 103
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Takeda, H. and B.D. McVey, Simulation of APLE photoinjector . . . A318 (1992) 644
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Tanaka, H., N. Kumagai and K. Tsumaki, An analysis of the reduction of the sensitivity to magnet misalignment in low emittance synchrotron radiation sources by unifying the magnets in each straight section . . . A313 (1992) 529
Tanaka, K.H., Y. Kawashima, J. Imazato, M. Takasaki, H. Tamura, M. Iwasaki, E. Takada, R.S. Hayano, M. Aoki, H. Outa and T. Yamazaki, New monochromatic muon beam channel using two body decay $K^+ \rightarrow \mu^+ \nu$ at rest in a production target . . . A316 (1992) 134
Tanaka, M., H. Ikeda, M. Ikeda and S. Inaba, Performance of a monolithic time-to-amplitude converter for high precision TOF measurements . . . A312 (1992) 585
Tanaka, M., see Ikeda, H. . . . A313 (1992) 31
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Tang, C.-M., A.C. Ting and T. Swyden, Field-emission arrays – a potentially bright source . . . A318 (1992) 353
Tang, C.M. and W.P. Marable, 3D simulation of high gain FELs in an optical klystron configuration . . . A318 (1992) 675
Tang Xiaowei, Yao Junen and Zhai Pengji, A nuclear detector with super-high spatial resolution (*Letter to the Editor*) . . . A320 (1992) 396
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Tedja, S., H.H. Williams, J. Van der Spiegel, F.M. Newcomer and R. Van Berg, Noise measurement results of a radiation hardened CMOS 1.2 μm P-well process . . . A312 (1992) 576
Tegeler, E., see Ahr, N. . . . A319 (1992) 387
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Working Group Brachytherapy, Belgian Hospital Physicist Association, B. Schaeken, F. Vanneste, A. Bouiller, M.T. Hoornaert, S. Vandenbroeck, J. Hermans and A. Piron, ^{192}Ir brachytherapy sources in Belgian hospitals A312 (1992) 251
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